

FAA-STD-016a

SEPTEMBER 21, 1987

SUPERSEDING:
FAA-STD-016

AUGUST 27, 1975

US. Department of Transportation Federal Aviation Administration S t a n d a r d

QUALITY CONTROL SYSTEM REQUIREMENTS

- 1.1 Scope. This standard establishes the minimum requirements for a quality control system (6.3.3) to be established and maintained by an FAA contractor for furnishing supplies and services.
- 1.2 Purpose, The purpose of this standard is to specify a quality control system that when properly planned, implemented, and maintained willensure the development, production, delivery, and installation of supplies and services-that consistently meet contract technical and quality requirements.
- 1.3 Applicability and precedence. The quality control system requirements set forth in this standard shall be applicable to all supplies and services and are in addition to all other requirements contained in statements of work, specifications, or elsewhere in the contract. In the event of conflict between the Quality Control System Plan (3.1) and this standard, the latter shall take precedence.

2. APPLICABLE DOCUMENTS

2.1 Government documents. The following documents of the issue in effect on date of invitation for bids or request for proposal, form a part of this standard to the extent specified herein.

STANDARDS:

Federal Aviation Administration:

FAA-STD-0118 Computer Software Quality Program

Requirements

FAA-STD-021 Configuration Management (Contractor

Requirements)

FAA-STD-00244 Preparation of Test and Evaluation Plans

and Test Procedures

Military:

MIL-STD-45662 Calibration Systems Requirements

OTHER PUBLICATIONS:

Federal Aviation Administration:

AC 00-41 Advisory Circular, FAA Quality Control

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- **3.1.13** Quality records and data analysis. The QCSP shall describe the methods, procedures and controls to be used to develop, collect, analyze, distribute, retain, maintain, and preserve all inspection and test records, including quality control system records and reports, for each individual product and item. The type of data, frequency and responsibility for analysis and initiation of action, as well as other related information shall also be described.
- 3.71.1144 Government Furnished Property (CFP). If the contract provides for GFP, the QCSP shall describe the procedures and controls for assuring acceptability upon receipt, for precluding degradation, damage, or misuse during storage, use or test, and for assuring proper final disposition in accordance with the contract. If the contract did not provide for GFP, and GFP is later added to the contract, the QCSP shall be updated to provide for the above procedures and controls.
- **3.1.15** Sampling inspection. The **QCSP** shall describe the methods, procedures and controls for sampling inspection as well as the operations in which they may be utilized.
- **3.1.16** Nonrepetitive operations. The QCSP shall describe the additional procedures and controls for nonrepetitive inspections, tests, and audits. Included shall be those performed on the initial **preproduction** or production item, first articles, design and other qualification requirements.
- 3.1.17 Computer software. The QCSP shall describe the methods, procedures, standards, and controls, used to ensure that all requirements are met for development, purchasing, inspecting, testing, corrective action, maintenance and delivery of computer software, including firmware. If FAA-STD-018 or other software quality system or program requirements, are required in the contract, then a separate documented plan submitted in accordance with those requirements, when accepted, shall be deemed to have satisfied this element of the OCSP.
- **3.1.18** Site installation, maintenance, and support services. When Whe contract requires installation, maintenance, or other support services, then the QCSP shall describe the methods,

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